

De Gull Wing

Two Dollars

"FOR MEMBERS ONLY"

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OFFICIAL PUBLICATION FOR OVER 2000 DELOREAN CLUB MEMBERS

TECHNICAL INSTALLATION OF MOTOROLA ALTERNATOR — 90 AMP

As of V.I.N. 4539 DMC vehicles came equipped with a new Motorola Alternator Part No. 110101.

If alternator replacement becomes necessary on vehicles prior to V.I.N. 4539, the alternator mounting and wiring must be modified according to the attached instructions.

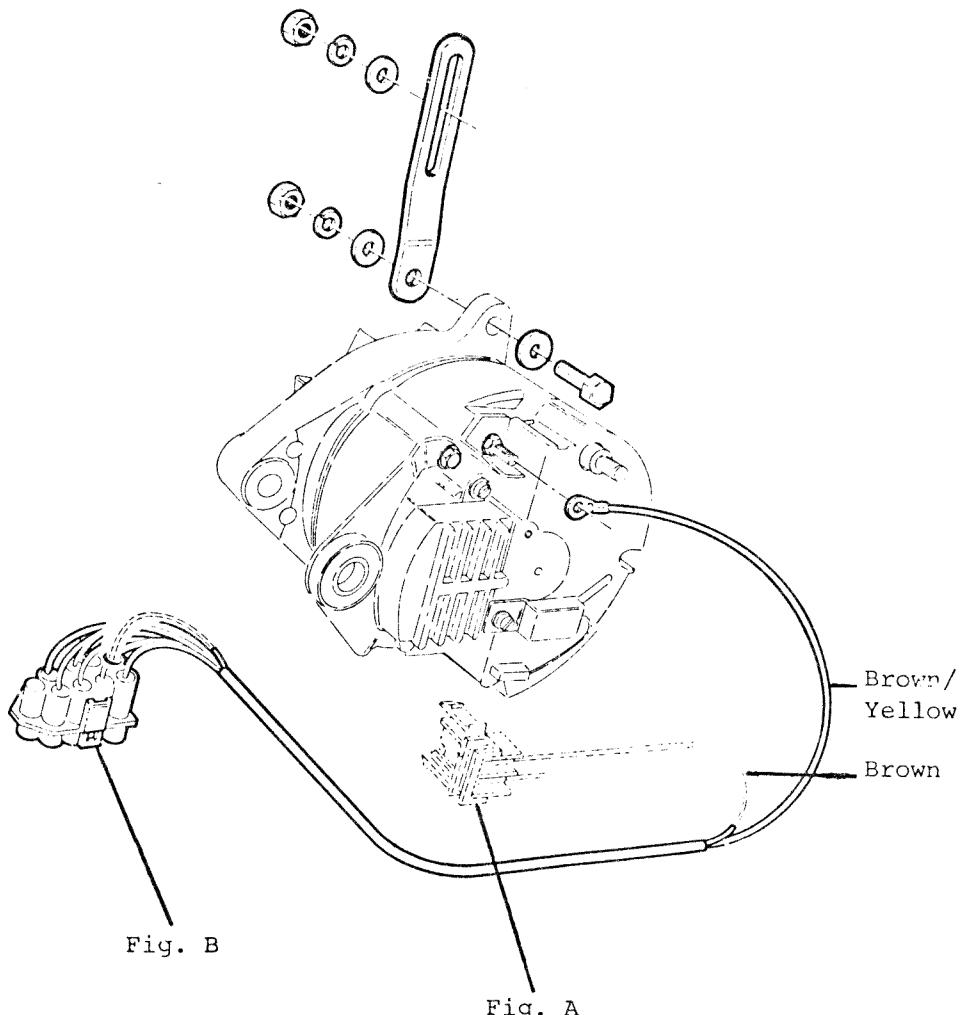
MOTOROLA TYPE 90A ALTERNATOR PART NO. 110101 Fitting Instructions on Vehicles Prior to V.I.N. 4539

REQUIRED PARTS

1. Alternator	P/N 110101
2. Alternator Bracket	P/N 110102
3. Alternator Belt	P/N 102442
4. Six (6) Inch Vacuum Hose	P/N 102712
5. M5 x 80 Hex Nut	Local Supply
6. M8 x 125 Hex Nut	Local Supply
7. 5mm Flat Washer	Local Supply
8. 8mm Lock Washer	Local Supply
9. Small Crimp-on Electrical Eyelet	Local Supply

INSTRUCTIONS

1. Disconnect battery.
2. Remove existing alternator and bracket.
3. Cut off original alternator plug. (See Figure A.)
4. Remove harness sheathing back to 1 inch before oil pressure sender break out to exposing brown wire and brown/yellow tracer wire.
5. Cut back brown wire to remaining harness sheathing.
6. Disconnect blue engine harness plug (Figure B.) and cut back brown wire to sheathing.
7. Drill out eyelets of brown wires to 8 mm (charging wires B +).
8. Using excess piece of vacuum hose Part No. 102712, cut to 6 inches in length and sleeve over brown/yellow wire.
9. Re-route brown/yellow wire with hose through aperture between muffler bracket and valve cover (parallel oil sending wire).
10. Fit new eyelet to brown/yellow wire.
11. Re-tape main harness with electrical tape.



12. Fit the Motorola Type 90A Alternator using the modified adjusting bracket Part No. 110102 which is fitted in reverse position to the original bracket i.e., adjusting or slide portion to be bolted to the engine crankcase, fixed end of the bracket to the alternator end cover.
13. Reconnect brown/yellow wire to D + terminal of alternator.
14. Reconnect brown charging wires to B + terminal of alternator.
15. Fit new alternator drive belt Part No. 102442 and adjust tension.
16. Ensure all connections are secure at alternator.
17. Reconnect the blue engine harness plug.
18. Reconnect battery.
19. Ensure that the battery is in good condition and fully charged.
20. Start engine and perform alternator output check.

OPERATION TIME

R & R Alternator	— Time .4
Modify Harness	Time .4 (Up to V.I.N. 4539 only)

TAKEN FROM THE MILWAUKEE JOURNAL

Saturday, May 14, 1983

Eye high in the sky helps cars speed on

The drivers of five exotic sports cars escaped to Wisconsin Friday. And, with the help of a cop-spotting helicopter, they escaped Wisconsin Friday afternoon — at speeds in excess of 125 mph.

Talk about your getaway weekend.

Police did manage to ticket the five — who were in two DeLoreans, a Ferrari, a Porsche and a Datsun 280Z — but couldn't manage to slow them down. Or even to make them angry.

John Umhoefer, a dispatcher with the State Patrol in Madison, said that after the race, the drivers called back from either Superior or Eau Claire — they were less than candid about their location — sang "For He's a Jolly Good Fellow," and called the officers "a great bunch of guys." He said the drivers called back about 1 p.m.

The speeding convoy was first reported about 7 a.m., Umhoefer said, by a motorist who pulled into a weigh station on Interstate 90, about 15 miles south of Madison.

President's Column

DeLorean Case Dismissal Asked

Citing pervasive publicity, attorneys for John Z. DeLorean moved Wednesday for dismissal of cocaine-trafficking charges against the millionaire auto maker nearly 14 months after he was arrested in a government drug "sting" operation.

Attorney Donald Re argued that DeLorean, 58, cannot get a fair trial at any time or any place in the United States because of "pervasive, intense and widespread publicity in the case." The motion was taken under submission by U.S. District Judge Robert M. Takasugi who had heard final arguments in an 18-day Los Angeles hearing on whether opposing polygraph examinations of DeLorean should be admitted at trial, tentatively set for Feb. 28.

DeLorean to Liquidate Firm as Trial Over Drugs Looms

Automaker John DeLorean, who faces trial on federal drug trafficking charges, has agreed in court papers to liquidate DeLorean Motor Company.

In a one-sentence pleading filed in U.S. Bankruptcy Court in Detroit, DeLorean asked that the company move from reorganizing finances under Chapter 11 of the federal bankruptcy code to liquidation under Chapter 7.

They were caught one at a time in a chase that involved at least six State Patrol cars and the Jackson County Sheriff's Department.

Umhoefer said the first driver was caught about 35 miles north of Madison on Interstate 90-94. The last was tagged on I-94 near Black River Falls. One of the drivers was ticketed after his car broke down. He was able to get the car to Madison.

Umhoefer said four of the drivers were from Illinois and one was from Iowa. The drivers' names were not released.

Umhoefer said a state trooper parked at roadside saw the Ferrari zoom past and tried to chase it. The trooper "got his car up to 125 and wasn't even catching up," Umhoefer said. The Ferrari eventually disappeared from the trooper's sight.

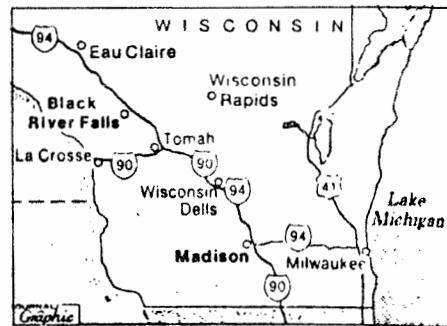
Umhoefer said the helicopter, which was registered in Illinois to one of the men ticketed, was constantly in touch with the convoy and warned the drivers when they were approaching a State Patrol car. "They were really picking their spots," he said. The drivers admitted that the helicopter was being used to spot police cars.

Troopers couldn't catch the cars from behind, Umhoefer said, but managed to get them when they slowed down for upcoming patrol cars.

Umhoefer said eight citations and one warning ticket were given out, for total fines of about \$750. The drivers, he said, paid the fines with charge cards and continued on their way. "Money seemed to be no object to these guys," he said.

Asked if the State Patrol was expecting to take any other action, he said, "We'll try to get them if they come back."

Ed. Our thanks to American Antenna in Illinois for this article.



De Lorean Motor Club of America, Inc.

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THE COVER

Installation of Motorola 90 Amp Alternator.

DATA

Any merchandise returned to DMCA for refund will be charged a 15% restocking charge. Delinquent accounts will suspend membership benefits.

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Manuscripts, photographs and art will not be returned unless accompanied by a stamped, self-addressed envelope bearing sufficient postage. Photographs should be 8-inch by 10-inch glossy black and white. Manuscripts must be typewritten to be considered, and should be double spaced on one side only. Articles of a technical nature are especially popular but ALL articles will be given equal importance.

DISCLAIMER

While it is a primary service of the De Lorean Motor Club of America, Inc. to disseminate technical information, any maintenance technique or possible modification published in *De Gull Wing* should be weighed against conventional, traditional, and generally-accepted techniques and modifications. *De Gull Wing* should not be considered the authority on maintaining or improving De Loreans and the views expressed are those of the author of an article or person quoted. Although research has proceeded each article, the mention of a product, service or procedure herein does not constitute endorsement of it by the Club, its officers, employees, or *De Gull Wing*. Prudent owners should consider possible techniques or modifications in light of common sense compromises among economy, longevity, performance, reliability, driveability, legality, and resale value. Any modifications possibly affecting emissions or safety are the sole responsibility of the person performing them and when such possible modifications are presented in *De Gull Wing*, it is with the understanding that they will be used for racing AND NOT on public highways. It is also incumbent upon the owner of a De Lorean to consider the effect of any changes in his vehicle upon any warranty in force before undertaking any technique or modification. Failure to do so could result in denial of warranty coverage by Consolidated or any other company offering said coverage. This publication and this organization WILL NOT ASSUME LIABILITY for any such consequences.

LET'S GET TECHNICAL

STEPS TO PROTECT YOUR DE LOREAN AND OTHER CARS FROM WINTER AILMENTS.

The four common winter car ailments are a weak battery, condensation in the fuel tank, frozen coolant and clogged filters.

Oil thickens in cold weather, starting is difficult, and the battery uses more energy to turn the engine over. We suggest having the battery checked monthly.

The gas tank should be kept as full as possible to prevent water from condensing and freezing in the system. Fill the cooling system with a 50-50 mixture of antifreeze and water so it will not freeze.

Fuel and air filters should be checked to make sure they are not clogged. Clogged filters make it more difficult for the automobile to run efficiently.

REMEMBER, ANEMIC DOOR LIFT DURING THE WINTER . . . JAN-FEB ISSUE DE GULL WING, VOLUME 1 #5???

DMCA has OEM Replacement Gas Struts should you need them. Part #100592 \$45.00 plus shipping and handling. We will accept COD orders.

TURBO POWER — THE RAGE OF THE 80'S — DMCA FOLLOWS SUIT

European and American manufacturers both agree . . . "Turbo charged vehicles are definitely here to stay!" Smaller weight efficient engines now develop more power with turbo systems than their normally aspirated predecessor. We at DMCA agree. Along with the De LOREAN kit DMCA now offers turbo kits for BMW, Chevrolet, Datsun/Nissan, Mazda, Porsche, Toyota and of course Ferrari. Some are available with Intercooler options. We can save members \$200.00 to \$450.00. We have sold over 60 turbos to club members throughout the United States and can attest to the improved performance. Interested parties give us a call! WE WILL ALSO INSTALL YOUR TURBO FOR \$600.00 IN TWO DAYS. CALL 714-847-9940 TO SET UP YOUR APPOINTMENT!

TECHNICAL TIPS

Service Tip — Speedo Cable

Two out of every five (40%) of the 60 mph speedo conversions sent in to DMCA had excessive grease being forced up into speedo head. As a service procedure reminder — the gearbox should either be lubed with the cable and housing disconnected or, after greasing, the inner cable should be removed and excessive grease wiped off. Otherwise, you'll "bugger" up the speedo head. . . . de Editor

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Our thanks to Bert Varady and his lovely wife Diane, whom we had the extreme pleasure of meeting while they were recently in L.A., for compiling this very informative list. We hope Bert and Diane will help us establish our Texas chapter of DMCA. Our best regards to you both.

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LETTERS TO de EDITOR

Additional "No Start Fault"

".... I recently had the famous "no start" problem. I tried jumping the inertia switch but no luck. The problem turned out to be that water had collected around the fuel pump and one power lead and terminal had corroded completely through, so the fuel pump would not run. Apparently the factory did not properly seal the area around the fuel pump allowing water to collect. A new fuel pump was necessary."

Donald J. McCarron, NY

Don, Here is our fix. Sorry it was too late for you. deEditor.

DMC MAINTENANCE TIP OF THE MONTH

Do this or make sure it has been done to every car. The fuel pump terminals have 3 different metals resulting in electrolysis that will eventually completely remove the studs from the top of the pump. Note: This operation is best performed with about 3/4 tank of fuel. The fuel pump is mounted vertically inside the tank. Access is through a cover which forms the rear floor under the spare. The screws securing this cover (as well as others on the DMC) are posidrive, not phillips. Remove the clamp around the top of the rubber boot. Lift the thin upper cover. If there is fuel atop the pump, this will need to be corrected before proceeding further. To determine if the fuel came from in the tank or from a fitting leak blow into the fuel filler-bubbles or additional fuel indicates a leak at the lower clamp. If so, lift carefully 4" the heavy pump mounting boot. Try tightening the clamp around the outside of the pump and repeat the pressure test. If the leak persists, add a clamp. If it continues to leak replace the rubber mounting as it is likely swollen from some fuel contaminant. A fitting leak will show up with either the engine running or with the fuel pump (RPM) relay bypassed.

Running the engine is easiest for most people. Usually a fitting leak is caused by a defective copper washer under the through bolt above or below the banjo fitting. Once the top of the pump is going to stay dry and has been cleaned, slather (rhymes with lather) the terminals with dielectric grease. Don't let anyone tell you that thus and so will do the same — 'cause it won't! Reseal the flimsy boot around the hoses (and on early models) the wires with RTV sealer, use a #6 hose clamp around the boot to seal out air, dirt and water. The plenum drains directly onto the pump so whatever it takes to make the cavity over the pump airtight — DO IT.

remove the 3rd relay of the "top" now. Save this relay as it interchanges with 6 other relays in this compartment. 3. Jump between the right side slot and the front slot. You should now have A-C Panel illumination only when the lights are on.

CLASSIFIED ADVERTISING

FREE TO DMCA MEMBERS — No Commercial Advertisers —

De Gull Wing will publish two short (40 words or less) free classified advertisements for members in a calendar year. Additional ads and those ads placed by non-members must be accompanied by \$50 each. Ads in excess of 40 words will be subject to editing. Include membership number and complete name and address with your ad. Mail to: ADS—DMCA, P.O. Box 944, Westminster, CA 92683.

For display advertising rates call Tuesday or Thursday only, 10:00 A.M. to 3:00 P.M. at (714) 847-9940. Collect calls will not be accepted.

For Sale: 1982 DeLorean, gray interior, automatic transmission, under 8000 miles. Super Sharp. Call 800 325-2680. Sandy. \$15,000 or ?.

For Sale: 1981 DeLorean, 5 speed, decals, 3,000 miles. Excellent. New business, must sell. Stored winter. \$18,000 or best offer. Call Dick at 608 752-4615 (WI) evenings.

For Sale: 1981 DeLorean, serial #3895, stick shift, black leather, 8,500 miles, mint condition. Lovingly cared for by little old lady. Never parked near other cars. \$18,000 firm. 313 626-1235.

For Sale: 1981 DeLorean, 2,500 miles, 5 speed, gray interior. Garage kept. \$23,000. 301 927-5284 Mon.-Fri. 9 to 5.

For Sale: 1981 DeLorean, 5 speed stick, 2,000 miles. \$21,900. 507 454-6733.

For Sale: 1981 DeLorean, 5,950 miles, escort radar, sophisticated alarm system, black leather interior. Mint condition. Everything works. 5 speed manual transmission. \$21,500. Call Bob at 203 233-5136. Weekdays from 7-10 pm East coast time.

For Sale: Brand new Technical Owners Guide and Parts Manual. \$25.00. Philadelphia area. Tim 215 388-6829.

For Sale: 1981 DeLorean, late model (06085) Excellent Condition. 18,000 miles. \$19,000 or best? Nick 617 667-5555 day. 617 662-4436.

FIRST CLASS
MAIL
DATED MATERIAL

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